



Spredway®

Owner's Installation and Operation Manual

**Sukup Manufacturing Company
1555 - 255th Street P.O. Box 677
Sheffield, Iowa 50475**

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Proper management is essential to insure satisfactory performance. Sukup Manufacturing is not liable for damage to grain resulting from improper management during drying or storage.

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Sukup Manufacturing Company

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LIMITED WARRANTY

SUKUP MANUFACTURING COMPANY (Sukup) warrants to original retail purchaser that within time limits set forth, new equipment shall be free from defects in material and workmanship. A part will not be considered defective if it substantially fulfills performance specifications. Should any part prove defective within the warranty period, the part will be replaced without charge F.O.B. Sukup Mfg. Co., Sheffield, Iowa USA or Distribution Centers - Arcola, Illinois; Aurora, Nebraska; Cameron, Missouri; Defiance, Ohio; Jonesboro, Arkansas; Watertown, South Dakota. To obtain warranty, a copy of original invoice is required.

THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS OR PURPOSE AND OF ANY OTHER TYPE, WHETHER EXPRESSED OR IMPLIED. Sukup neither assumes nor authorizes anyone to assume for it any other obligation or liability in connection with said part, and will not be liable for incidental or consequential damages. THE REMEDIES STATED HEREIN SHALL BE THE EXCLUSIVE REMEDIES AVAILABLE UNDER THIS LIMITED WARRANTY.

Sukup reserves the right to change specifications, add improvements or discontinue manufacture of any of its equipment without notice or obligation to purchasers of its equipment. This warranty gives you specific legal rights. You may also have other rights which vary according to state or province.

WARRANTY EXCLUSIONS - Labor, transportation, or any cost related to a service call is not provided by Sukup. This Limited Warranty does not apply to damage resulting from misuse, neglect, normal wear, accident or improper installation or maintenance. ITEMS NOT MANUFACTURED BY SUKUP (i.e. Tires, Belts, Motors, etc.) ARE COVERED UNDER WARRANTIES OF THEIR RESPECTIVE MANUFACTURERS AND ARE EXCLUDED FROM COVERAGE UNDER THE SUKUP WARRANTY. Since the down augers are so critical to the successful operation of the stirring machine, Sukup Mfg. will not warranty any machines unless they are equipped with Sukup down augers.

BASIC WARRANTY - All Sukup manufactured products are warranted for one year from date of purchase.

EXTENDED STIRRING MACHINE WARRANTY - Sukup warrants Stirring Machines for two years from date of purchase.

EXTENDED STIRRING AUGER WARRANTY - Stirring Augers are warranted for two years from date of purchase. Must return top 18" of down auger to obtain credit.

EXTENDED FAN WARRANTY - Sukup warrants fans for two years from date of purchase.

EXTENDED GRAIN DRYER WARRANTY - Sukup warrants portable grain dryers for two years from date of purchase.

EXTENDED HEATER CIRCUIT BOARD WARRANTY - Sukup warrants heater circuit boards for three years from date of purchase.

ELECTRIC MOTOR WARRANTY - The manufacturers of electric motors warranty their motors through authorized service centers. Contact motor manufacturer for nearest location. If motor warranty is refused by a service center based upon date of manufacture, use the following procedure: Have the motor repair shop fill out the warranty report form as if they were providing warranty service. State on the report the reason for the refusal. Send the report, motor nameplate, and proof of purchase date to Sukup. If electric motor warranty is not satisfactorily handled by motor service center, contact Sukup for assistance. Warranty may also be obtained by returning motor to Sukup Mfg. Co. or Distribution Centers with prior authorization. **NOTE:** Sukup will not be responsible for unauthorized motor replacement or repair.

WARRANTY CERTIFICATION - Warranty registration card should be mailed within two weeks of product delivery to certify warranty coverage.

UNAPPROVED PARTS OR MODIFICATION - All obligations of Sukup under this warranty are terminated if: unapproved parts such as stirring augers are used, or if equipment is modified or altered in any way not approved by Sukup.

RETURNED GOODS POLICY

Warranty Items

C.O.D. shipments will not be accepted. Warranty parts may be returned to Sukup Mfg. Co., Sheffield, Iowa or Distribution Centers - Arcola, Illinois; Aurora, Nebraska; Cameron, Missouri; Defiance, Ohio; Jonesboro, Arkansas; Watertown, South Dakota.

Warranty items may be returned without prior authorization, provided all the following information is included:

Part number, description of part, how it failed and date of failure.

(Give detailed explanation of what happened - do not just write "defective".)

A copy of invoice, with date, on which part was originally obtained and date of installation.

Preferences as to whether part is to be replaced, repaired or credit issued.

Complete company name, address and telephone number of firm receiving replacement part or credit.

State name and phone number of a person that should be contacted if there are further questions.

NOTE: To obtain two-year stirring auger warranty, top 18" of down auger must be returned.

Due to the affect that stirring augers have on bearings, motors, belts, etc, using non-Sukup stirring augers voids warranty. See reverse side for warranty information and policy.

Non-Warranty Items

C.O.D. shipments will not be accepted. Equipment returned must have proper approval by a Sukup representative through a **Return Authorization Form**.

A copy of the original invoice pertaining to item must be provided when requesting credit. Credit will be based upon original invoice price or price at time of return, whichever is lower.

There is a 25% restocking charge on all equipment authorized for return unless equipment is under warranty or was shipped incorrectly.

No new equipment may be returned for credit or exchange without advanced written authorization from Sukup Manufacturing Company.

Custom-built or obsolete equipment may not be returned.

Returned Goods Allowance Guidelines

- 100% - Parts under warranty.
- 75% - Restocking new merchandise; undamaged and in original carton.
- 65% - New merchandise; requires repainting or repacking.
- 0 - 60% - Damaged new equipment (describe extent of damage)
- 0% - Used equipment, out of warranty, unsalable merchandise, obsolete equipment, custom-built equipment and unauthorized returns.

SPREDWAY SAFETY SECTION

I. General Safety Practices

RECOGNIZE SAFETY ALERT SYMBOL



The American Society of Agricultural and Biological Engineers (ASABE) safety alert symbol means "ATTENTION! Be Alert! Your personal safety is involved." This symbol draws your attention to important instructions concerning your personal safety. Read the messages carefully to avoid personal injury or death.

NOTE: Spredway itself is shielded by location, but undoubtedly unload equipment will be installed in the same bin thus making for a hazardous situation.

SAFETY SIGNAL WORDS

On safety decals, three signal words are used with corresponding colors of red, orange, and yellow to indicate hazard intensity. Definitions are as follows:

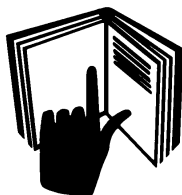
⚠ DANGER (red) indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.

⚠ WARNING (orange) indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

⚠ CAUTION (yellow) indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

FOLLOW MACHINE SAFETY SIGNS & MESSAGES

Observe safe operating practices. Carefully read this manual and all safety signs on your equipment. Safety signs must be kept in good condition. Replace missing or damaged safety decals or shields; available from Sukup Manufacturing Co., Box 677, Sheffield, Iowa 50475 at no charge. Learn how to use controls and operate equipment. Do not let anyone operate unit (especially youth) without thorough training of basic operating and safety procedures.



Make no unauthorized modifications to equipment. Modifications may endanger function and/or safety of unit. Periodically check all mechanical and electrical components. Keep unit in good working condition.

NEVER, NEVER, clean out bin with augers running!

When bin is nearly empty, sweep (floor) augers travel at increasing speed, just turning around can give augers time enough to trap you. Exposed auger in sump can cause serious injury if stepped or fallen into.



Failure to follow the above precautions may cause serious injury or death.

NEVER ENTER BIN



DANGER! Never enter bin unless all power is locked off and another person is present. Rotating augers can kill or dismember!

Flowing grain may trap and suffocate. If you enter a bin of flowing grain you can be completely submerged in grain in about 8 seconds.



Failure to heed this warning may cause serious injury or death.



CAUTION:

Metal edges are sharp. To avoid injuries wear protective clothing and handle equipment and parts with care.

Failure to do so may cause serious injury.

EMERGENCIES - KNOW WHAT TO DO

Have emergency numbers near your telephone:

Doctor: _____

Emergency Medical Squad: _____

Ambulance Service: _____

Hospital: _____

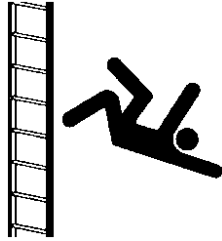
Fire Department: _____

Written Directions to Your Location: _____

II. Safety Decal Placement for Spreadway



CAUTION: Metal is slippery when wet. To avoid falls, never carry items while climbing on bin. Maintain secure hand and foothold when climbing on bin.



Failure to do so may cause serious injury or death.

Spreadway Safety

Safety decals #1 - #2 must be mounted during installation. Safety decal #3 is mounted at factory. Make sure location area for decal is free from grease, oil, and dirt. Remove backing from decal and place in proper position.

Important: If suggested locations are not clearly visible, place safety decals in a more suitable area. Never cover up any existing safety decals.

Yearly and prior to equipment use please check that all decals and shields are in place according to these drawings and in good legible condition. Order a replacement decal or shield free of charge by contacting Sukup Manufacturing Co.

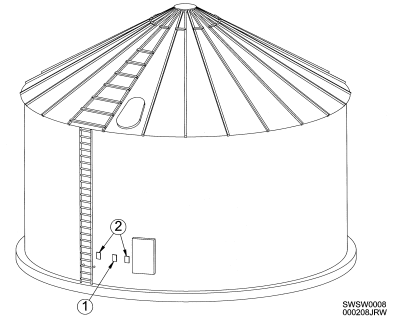
Address: Box 677, Sheffield, Iowa 50475

Phone: 641-892-4222

Fax: 641-892-4629

E-mail: info@sukup.com

1. **WARNING DECAL - L0281** – Mount safe operation decal on bin sheet near door handle



2. **DANGER DECAL - L0258A** - Mount "DANGER DO NOT ENTER this bin; Keep clear of all augers" Decal L0258A on bin sheet near door handle and all other entry points. Also mount this decal at eye level on bin sheet near ladder going to roof.



3. **WARNING DECAL - L0284** - (Mounted on Motor) Keep all shields in place. Lock out all power before servicing. Keep away from all moving parts.



ASSEMBLY

Remove all parts from shipping carton and check against Shipping List on **Page 19**. Read all instructions carefully before beginning. The model of your Spredway is printed on the Spredway shipping carton. Standard Spredways are simply marked "Spredway," High Capacity Spredways are marked "High Capacity." Assemble your Spredway according to the parts drawings on this page and the following instructions.

1. Bolt motor to the motor mount using four 5/16" x 1" bolts, nuts and lockwashers. Align motor pulley to flat pulley by sliding on motor shaft. **NOTE:** Align belt when Spredway is in operating position.

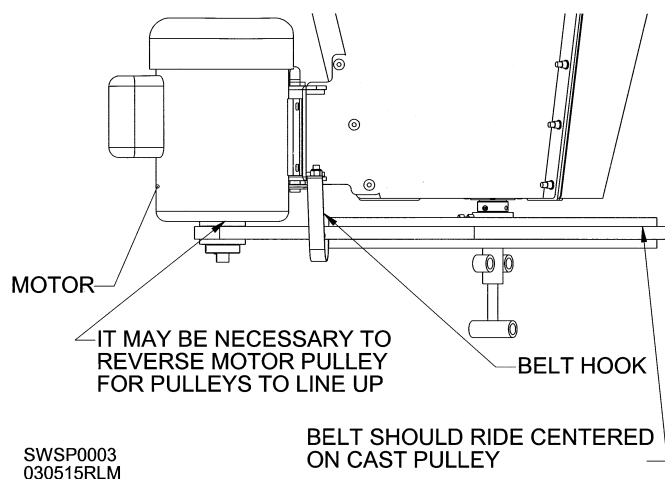


Figure 1-Placement of belt on pulleys

2. Place belt on pulleys. Bend belt hook around belt as shown above. **CAUTION:** Belt should not scrape on hook, as it may cut belt.
3. The center flow adjusting cover on the spreading fin should be opened about 1/3 for bins less than 24' in diameter. For larger bins, the center flow adjusting cover should be opened to 1/2. Be sure bolt on cover is tight after adjustment.
4. To mount fin to spreader, lower pitch adjusting rod by loosening locking handle and pre-spread disc inside of cone. Lower adjusting rod so the end is approximately 3" below the main bearing shaft. See

Figure 2. One end of the stationary pitch control arm comes mounted to fin. Mount other end of control arm to main bearing shaft. Secure with hairpin clips. Repeat step for second fin.

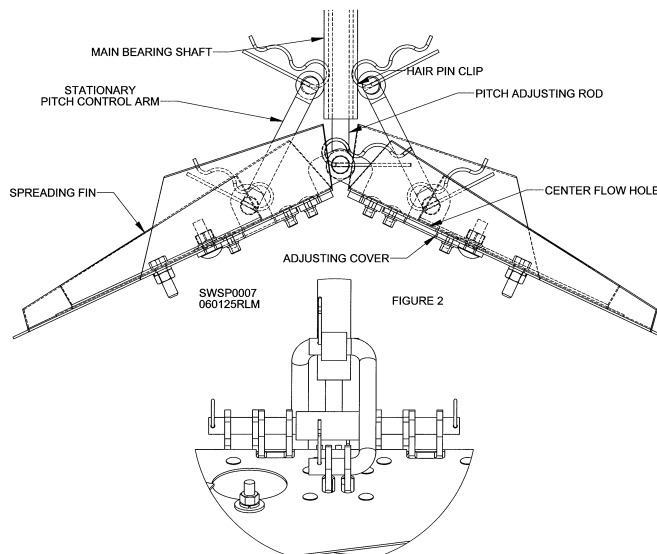


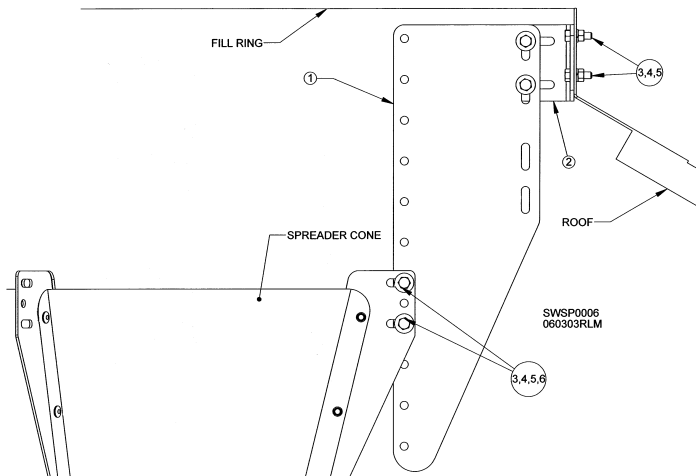
Figure 2-Mounting fins to spreader

5. Remove hinge pin from adjusting rod. Place spreading fins and pitch adjusting rod together and replace hinge pin. Secure hinge pin with hairpin clip. Hairpin clips should be snapped on all the way. See **Figure 2**. See operating instructions for setting fin angle.
6. Place pre-spread ring inside cone allowing slots in ring to slip over Spredway arms. Secure ring by installing hairpin clips, found in parts sack, through holes provided in Spredway arms.
7. When Spredway has been assembled, it is ready to be installed in bin. Figures show different ways to mount Spredway. Determine which you require and follow instructions for that method. Spredway is shipped with a set of standard rigid mount brackets.

INSTALLATION

I. Hanger Brackets

Standard and Hi-Cap with Rigid Mount



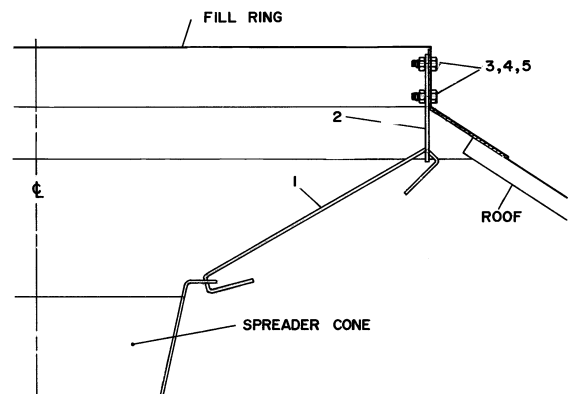
1. Divide circumferences of center fill ring into 3 equal parts, locate brackets so Spredway will be level. (If holes are provided in peak ring, Steps 1 & 2 may be eliminated.)
2. Mark and drill 5/16" holes and bolt brackets in place.
3. Holes in Spredway have been provided in rigid mount hanger brackets to allow for multiple Spredway positions for uses in many applications. Bolt Spredway to brackets using 5/16" x 1" bolts. Check that Spredway is level.

REF#	DESCRIPTION	QTY	COMP#
1	Hanger, Rigid, 2006 (3)	1 set	G0197A
2	Peak Ring Bracket (Rigid) (3)	1 set	G0196A
3	Bolt, 5/16-18 x 1 PLT	18	J0527
4	Lockwasher, 5/16" PLT	18	J1200
5	Nut, Hex, 5/16-18	18	J1002
6	Washer, Flat, 5/16"	18	J1111

Figure 3-Standard and Hi-Cap w/Rigid Mount, Drawing and Parts

Super Hi-Cap, Painted

1. Divide circumferences of center fill ring into 3 equal parts, locate brackets so Spredway will be level.
2. Mark and drill 5/16" holes and bolt brackets in place.
3. Place hangers into slots on Spredway cone straps and lower Spredway into opening*. Place hangers into slots on brackets bolted to fill ring. Check that Spredway is level.

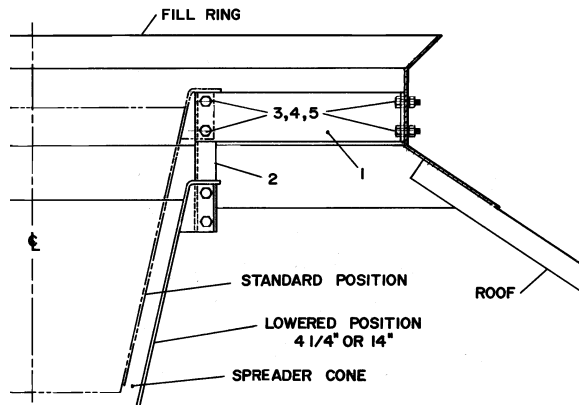


REF#	DESCRIPTION	QTY	COMP#
1	Hanger, 15" (3)	1 set	G0212A
	Hanger, 26" (3)	1 set	G0213A
2	Adapter hanger bracket (3)	1 set	G0125A
3	Bolt, 5/16 - 18 x 1 PLTD	6	J0527
4	Lockwasher, 5/16"	6	J1200
5	Nut, 5/16" - 18	6	J1002

Figure 4-Super Hi-Cap, Drawing and Parts

*In some cases, it may not be possible to lower the assembled Spredway through the center fill ring due to the small diameter. In these cases, it is recommended that a winch be placed over the fill ring to raise the Spredway from inside the bin.

Sioux



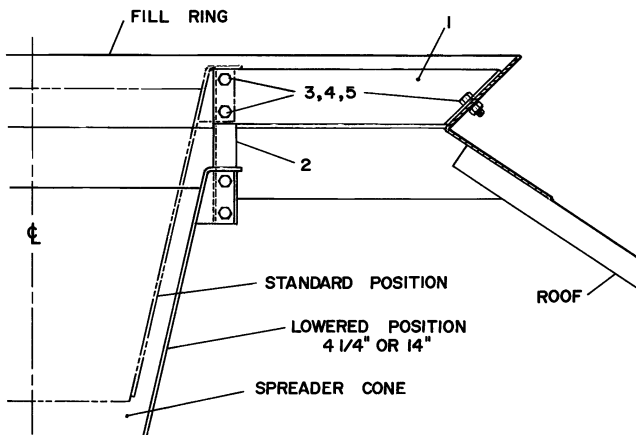
1. Bolt the Sioux brackets to Spreadway cone straps with 5/16" bolts.
2. Lower Spreadway into fill ring*. Make sure Spreadway is level. Mark & drill 5/16" holes. Bolt Spreadway in place.
3. Use optional vertical brackets if required. If pre-spread funnel is used, use the longer vertical brackets. See **Figure 5**.

REF#	DESCRIPTION	QTY	COMP#
1	Sioux bracket (3)	1 set	G0130A
2	Vertical bracket 7" long (3)	1 set	G0132A
	" " 18" long (3)	1 set	G0137A
3	Bolt, 5/16-18 x 1 PLTD	12-18	J0527
4	Lockwasher, 5/16"	12-18	J1200
5	Nut, 5/16-18x1 PLTD	12-18	J1002

Figure 5-Sioux, Drawing and Parts

MFS

1. Bolt brackets to Spreadway cone straps with 5/16" bolts.
2. Lower assembled Spreadway into opening*. Level Spreadway. Mark and drill 5/16" holes for mounting bolts. Bolt brackets to fill ring.
Use optional vertical brackets if required. If pre-spread funnel is used, use longer vertical brackets. See table below.



REF#	DESCRIPTION	QTY	COMP#
1	MFS Bracket, 32" (3)	1 set	G0126A
	MFS Bracket, 40" (3)	1 set	G0127A
	MFS Bracket, 60" (3)	1 set	G0128A
2	Vertical Bracket, 7" Long (3)	1 set	G0132A
	" " 18" Long	1 set	G0137A
3	Bolt, 5/16-18 x 1 PLTD	9-15	J0527
4	Lockwasher, 5/16"	9-15	J1200
5	Nut, 5/16-18 x 1 PLTD	9-15	J1002

Figure 6-MFS, Drawing and Parts

* In some cases, it may not be possible to lower the assembled Spreadway through the center fill ring due to the small diameter. In these cases, it is recommended that a winch be placed over the fill ring to raise the Spreadway from inside the bin.

II. Spredway Specifications

	STANDARD	HIGH CAPACITY	SUPER HIGH CAPACITY
CAPACITY - BU/HR	Up to 3000	3000 - 5000	5000 - 7000
MOTOR SIZE	1/2 HP	3/4 HP	1-1/2 HP
FRAME SIZE	H48Z (1PH) / D56 (3PH)	E56 (1PH) / D56 (3PH)	G56H (1PH) / E56 (3PH)
SHAFT SIZE	5/8"	5/8"	5/8"
DUTY CYCLE	Continuous	Continuous	Continuous
BELT SIZE	A56	B57	B57
MOTOR PULLEY DIAM.	1-3/4"	2-1/4"	2-1/4"
PRE-SPREAD DISC DIAM.	3-1/2"	3-1/2"	8"
SPREADER PAN STYLE	Split-Hinged	Split-Hinged	Split-Hinged
CONE	19" x 12"	19" x 12"	19" x 13"
BIN DIAMETER	18' - 33'	24' - 48'	36' - 60'

Figure 7-Spredway Specs

III. Wiring Recommendations

Provide heavy-duty wiring to the Spredway motor, following accepted electrical codes. The operating voltages for the Spredway motors are listed here in **Figure 8**.

MOTOR TYPE	FACTORY PRE-WIRED VOLTAGE	ALTERNATIVE VOLTAGE*
1/2hp 1ph	115 volts	-----
1/2hp 3ph	230 volts	460 volts
3/4hp 1ph	115 volts	230 volts
3/4hp 3ph	230 volts	230 volts
1-1/2hp 1ph	230 volts	-----
1-1/2hp 3ph	230 volts	460 volts

Figure 8-Operating voltages

*Consult motor nameplate or electrical box cover as to connections needed for using alternative voltage.

IV. Option

Pre-Spread Funnel

Uneven spreading can occur if the transport auger is not centered over the grain spreader. A pre-spread funnel is available which drops grain into center for more level spreading.

Pre-Spread Funnel	
Auger Size	Comp #
12"	G0175
10"	G0155
8"	G0136
6"	G0154

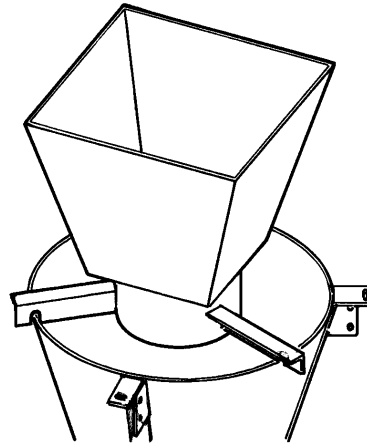


Figure 9-Pre-Spread Funnel, Drawing and Comp#

OPERATION

The Sukup Spredway contains several exclusive patented features, which allow one machine to handle all types of grain spreading. This spreader offers high capacity and easy adjusting. The maximum capacity for the Standard Spredway is 3,000 bushels, High capacity is 5,000 bushels, and the Super High capacity is 7,000 bushels per hour.

The key to spreading grain evenly is in the pitch of the spreading fin. The Sukup Spredway has been designed so that the pitch of the spreading fin may easily be adjusted from the top of the spreader. By rotating the pre-spread disc, the pitch of the spreading fin is varied and the spreading is controlled.

TO ADJUST THE SPREADING PATTERN:

Begin with spreading fin in level position. Rotate pre-spread disc to tilt fin downward so bulk of grain hits bin wall approximately one ring down from eave.

1. Loosen locking handle.
2. Rotate pre-spread disc, thereby changing pitch of spreading fin. **NOTE:** When adjusting the split pan the change in pitch may not be noticeable unless weight is applied to the pan. Centrifugal force will keep pan in the correct position in operation.
3. Lock handle against disc.

It is important to realize that the optimum pitch of the spreading fin depends upon the diameter of the bin,

the depth of grain in the bin, and the amount of grain flowing through the spreader. This means that the pitch of the spreading fin may require adjustment during operation in order to obtain the best results.

The center flow adjusting cover controls the amount of grain that falls in the center of the bin. If the grain is too high in the center, the cover must be rotated to make the opening smaller; if the grain is too low in the center, the cover must be rotated to make the opening larger.

The pre-spread ring is designed to allow for multiple capacity rates. The knockouts on the ring can be easily removed to increase these rates. Proper settings are essential for peak performance. Use chart below as a guideline.

Ring Size	Rate of Flow
6"	1500 Bu/Hr
8"	2600 Bu/Hr
10"	4000 Bu/Hr

Figure 10-Pre-spread Ring Size/Flow Rate

THE INCOMING GRAIN FLOW MUST BE CENTERED OVER THE PRE-SPREAD DISC FOR EVEN SPREADING.

DRAWINGS AND PARTS LISTS

I. Standard and High Capacity Spreadway – Galvanized G01051 (Excluding motor)

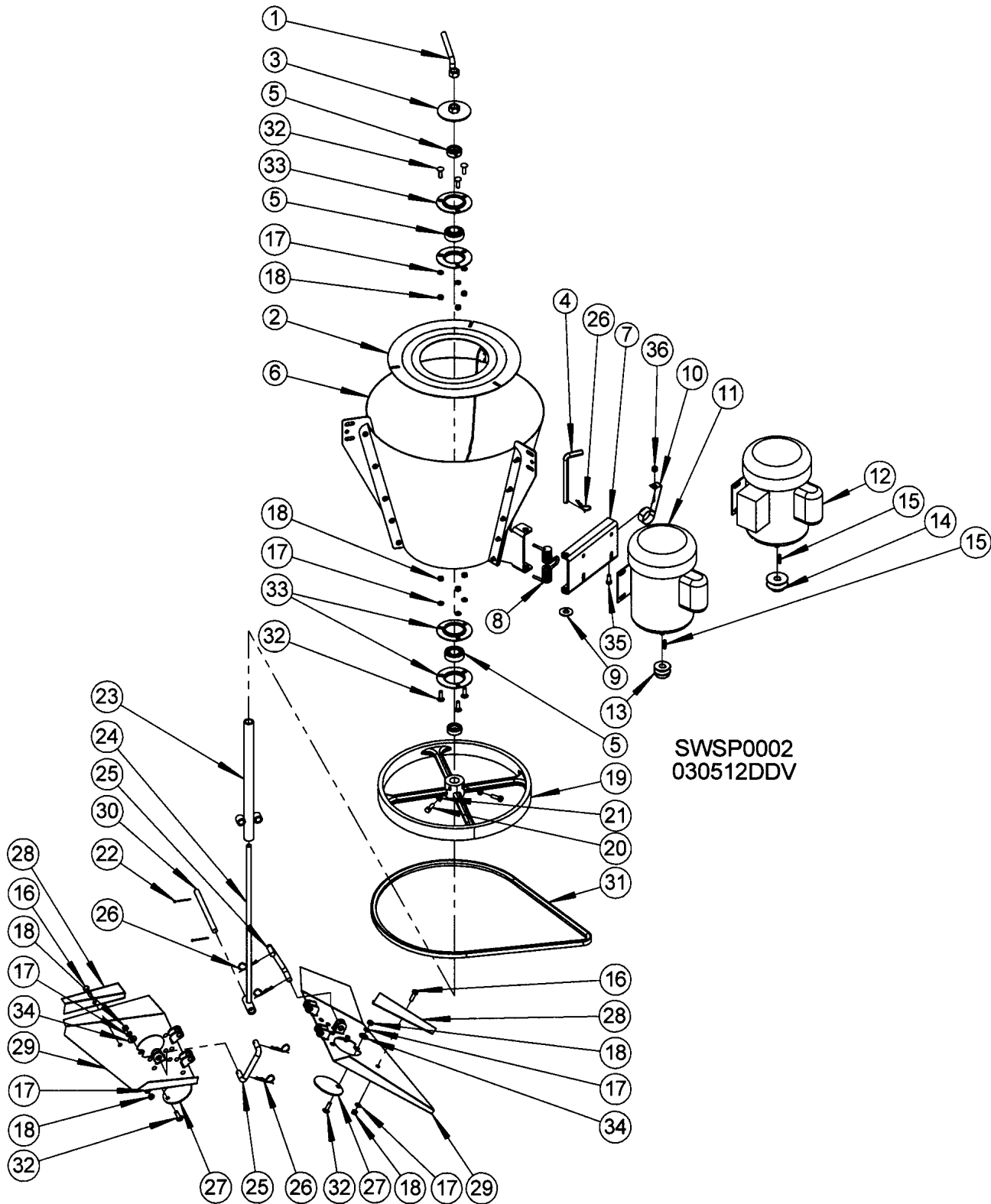


Figure 11-Standard and Hi-Cap Spreadway-Galvanized G01051, Exploded View

Standard and High Capacity Spredday – Galvanized G01051 (Excluding motor), Parts List

All parts except those designated as “Standard” or “High Capacity” are interchangeable between Standard and High Capacity Spreaders.

REF#	DESCRIPTION	QTY	COMP#
1	Locking Handle	1	G0112
2	Pre-spread Ring with knockouts	1	G0182
3	Pre-spread Disc, 3-1/2"	1	G0111
4	Pivot Pin	1	G0265
5	Bearing, 1" Center, w/locking collar	2	J0005
6	Cone	1	G0145
7	Motor Mount	1	G01455
8	Spring, Double Torsion	1	J2371
9	Flatwasher, 1/2 PLT (Optional)		J1125
10	Belt Hook	1	G0153
11	Motor, .5hp 1ph 115v. wired Standard		G0138
	Motor, .5hp 3ph 230v. wired Standard		G0140
	Motor, .5hp 3ph 440v. wired Standard		G0146
12	Motor, .75hp 1ph 115v.wired High Cap & Wide Spread	1	G0142
	Motor, .75hp 3ph 230v.wired High Cap & Wide Spread		G0144
	Motor, .75hp 3ph 440v.wired High Cap & Wide Spread		G0148
13	Pulley, 1-3/4" x 5/8" , Standard	1	J0290
14	Pulley, 2-1/4" x 5/8" , High Cap & Wide Spread	1	J0299
15	Key, 3/16" x 3/16" x 1"	1	G0150
16	Bolt, 5/16"-18 x 1" Gr5	2	J0527
17	Lockwasher, 5/16", PLT, Split	10	J1002
18	Nut, 5/16" - 18	10	J0527
19	Pulley, 16" Cast	1	G0116
20	Locking Bolt, 5/16-18-20 x 1 Gr5	2	J0527
21	Nut, 5/16-18	2	J1002
22	Hair Pin Clip	2	J5410
23	Main Bearing Tube	1	G0161
24	Fin Pitch Adjusting Rod	1	G0121
25	Pitch Control Arm	2	G0123
26	Cotter Pin, 1/8" x 1-1/2"	5	J1421
27	Center Flow Control	2	G0149-04
28	Spreading Vane	2	G0149-03
29	Hinged Spreader Fin	2	G01661
30	Hinged Fin Pin	1	G0122
31	Belt, A56 (STD)	1	J0235
	Belt, B57 (HIGH CAP & WIDE SPREAD)	1	J0236
32	Bolt, Carriage, 5/16" - 18, 1"	8	J0535
33	Flangette, 3 hole	4	J0098
34	Flat Washer, 5/16" PLTD	2	J1111
35	Screw, 5/16" - 18, 3/4"	1	J0520
36	Lock Nut, 5/16" - 18	1	J1003

*****HINGED SPREADER FIN ASSEMBLY # G0165 *****

Figure 12-Standard and Hi-Cap Spredday-Galvanized G01051, Parts

II. Super High Capacity Spreadway – Galvanized G0250



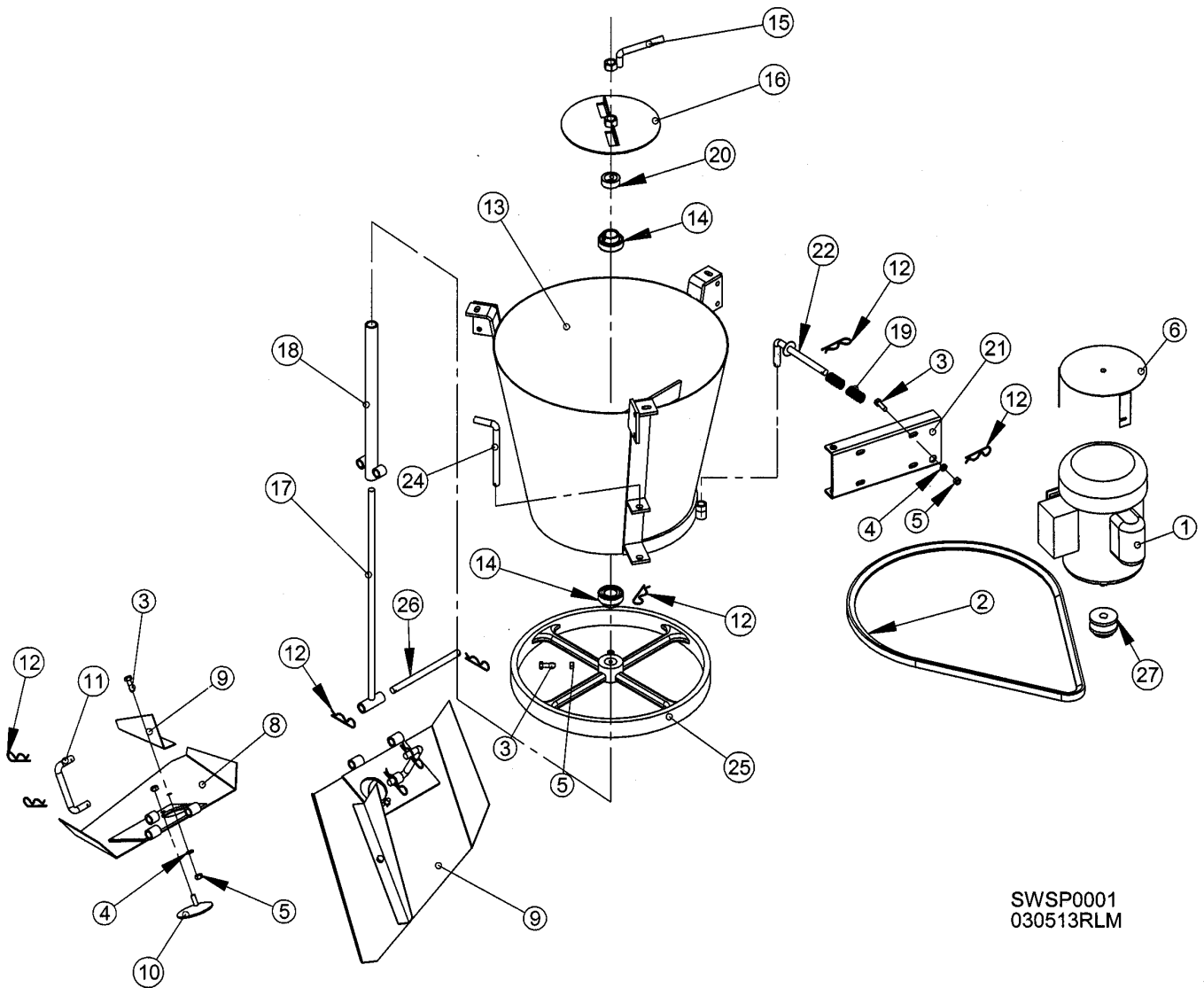
Figure 13-Super Hi-Cap Spredway-Galvanized G0250, Exploded View

Super High Capacity Spreadway – Galvanized G0250, Parts List

REF. #	DESCRIPTION	QTY	COMP. #
1	Handle, Locking, ½" x 5 ½"	1	G0112
2	Disk, Pre-Spread, Standard	1	G0113
3	Pulley, Flat, 16"	1	G0116
4	Rod, Adjusting, Fin Pitch	1	G0121
5	Fin Hinge Pin, w/Pin Holes	1	G0122
6	Arm, Control, Stationary Pitch	2	G0123
7	Door, Center Fill	2	G0149-04
8	Key, 3/16" Sq. x 1"	1	G0150
9	Belt Catcher, Galvanized	1	G0153
10	Tube Shaft, Main Bearing, Hinged	1	G0161
11	Motor Mount, Spreader	1	G0262
12	Pivot Pin, Motor Mount	1	G0265
13	Vane, Spreading	2	G0266
14	Motor, Spreadway, 1.5HP, 1P, 230V, Super Hi-Cap	1	G0272
	Motor, Spreadway, 1.5HP, 3P, 230V, Super Hi-Cap	1	G0273
	Motor, Spreadway, 1.5HP, 3P, 460V, Super Hi-Cap	1	G0274
15	Cone, Spreader, Galvanized	1	G02921
16	Bracket, Center	3	G02922
17	Bracket, Motor Mount, Galvanized	1	G02923
18	Ring, Pre-Spread, Super-High	1	G02924
19	Fin, Spreader, Galvanized Super-High	2	G02991
20	Bearing, 1", Center, FH205-16 w/Locking Collar	2	J0005
21	Collar, Locking, 1"	2	J0067
22	Flangette, 3-Hole, for 205 Bearing	4	J0098
23	Belt, B57	1	J0235
24	Pulley, 2.25" OD, .625, Single, B Groove	1	J0299
25	Screw, 5/16-18, ¾" PLT	1	J0520
26	Screw, 5/16-18, 1" PLT	4	J0527
27	Bolt, 5/16-18, 1" Carriage	8	J0535
28	Nut, Hex, 5/16-18, PLT	12	J1002
29	Nut, 5/16-18, Nylon Lock	1	J1003
30	Washer, Flat, 5/16	2	J1111
31	Washer, Flat, ½	1	J1125
32	Washer, Lock, 5/16, PLT, Split	10	J1200
33	Pin, Cotter, 1/8, 1 ½, PLT	5	J1421
34	Spring, Double Torsion	1	J2371
35	Clip, Hair Pin, .09 x 2	5	J5410

Figure 14-Super Hi-Cap Spreadway-Galvanized G0250, Parts

III. Super High Capacity Spredway – Painted



SWSP0001
030513RLM

Figure 15-Super Hi-Cap Spredway-Painted, Exploded View

Super High Capacity Spreadway – Painted, Parts List

REF. #	DESCRIPTION	QTY	COMP. #
1	Motor, 1-1/2hp, 1ph, 230V wired		G0272
	Motor, 1-1/2hp, 3ph, 230V wired		G0273
	Motor, 1-1/2hp, 3ph, 460V wired		G0275
2	Belt, B57	1	J0236
3	Screw, 5/16-18, 1, PLT, Gr. 5, HHCS	10	J0527
4	Washer, Lock, 5/16, PLT, Split	10	J1200
5	Nut, Hex, 5/16-18, PLT	6	J1002
6	Motor Cover, Spreadway	1	G0210
7	Spreading Pan Complete, 12"	2	G0263
8	Spreading Fin Only, Hinged, 12"	1	G0267
9	Spreading Vane	1	G0266
10	Cover, Center Flow Adjusting	1	G0117
11	Stationary Pitch Control Arm	1	G0123
12	Clip, Hair Pin, .09 x 2	9	J5410
13	Cone Weldment, Spreadway, Commercial	1	G0260
14	Bearing, 1, Cnt, F/PB, W/SS, FHSR205-16	2	J0030
15	Handle, Locking, 1/2" x 5-1/2"	1	G0112
16	Disk, Pre-Spread, Standard	1	G0113
17	Fin Pitch Adjusting Rod	1	G0121
18	Tube Shaft, Main Bearing, Hinged	1	G0161
19	Spring, Complete, .120WR, 7 Coils	2	J2365
20	Shaft Collar, 1"	1	J1335
21	Motor Mount, Spreader 12"	1	G0262
22	Tension Pin, Weldment, Spreader	1	G0261
23	Lock Collar, 1/2"	1	J1320
24	Motor, Pivot Pin, Spreader	1	G0265
25	Pulley, Flat, 16"	1	G0116
26	Fin Hinge Pin, w/Pin Holes	1	G0122
27	Pulley, 2.25" OD, .625, Single B GRV	1	J0299

Figure 16-Super Hi-Cap Spreadway-Painted, Parts

TROUBLESHOOTING GUIDE

PROBLEM	REASON	SOLUTION
1. Does not run.	Fuses blown. Belt off.	Replace fuses. Replace belt.
2. Belt comes off flat pulley.	Motor pulley not aligned w/flat pulley. Motor mount bent. Pitch rod is bent. Belt not tight.	Align pulley. Replace motor mount. Replace bent parts. Replace spring & check belt size.
3. Spreading unevenly.	Spreader not adjusted properly. Spredway not level. Incoming grain spout not centered over pre-spread disc.	Adjust spreading fin. (See operating instructions on page 11.) Level unit. Move & secure grain spout over center of pre-spread disc or use a pre-spread funnel.
4. Vibration	Spredway improperly or insecurely mounted.	Check that proper brackets are used for your bin. See installation instructions. Tighten bolts.

Figure 17-Common Spredway Problems and Solutions

SHIPPING LISTS

I. Standard Spreadway

Box 1

½ HP 1PH Motor with:
1-3/4" x 5/8" "A" pulley
J0235 – AP56 Belt

Box 2

A3399 - Safety Decal Placement Pkt w/Instructions
G0133 - Parts Sack
J0527 - Bolt, 5/16-18, PLT (18)
J1002 - Nut, Hex, 5/16 - 18, PLT (18)
J1200 - Washer, Lock, 5/16, PLT (18)
J1111 - Washer, Flat, 5/16, PLT (18)
J5410 - Clip, Hair Pin, .09 x 2 (3)
G0152 - Cone Sub Assy, Galvanized Hi-Cap
G01661- Fin, Spreading, Assy, Galvanized, 1 side
G0197 - Bracket, Hanger, Rigid (2006) (3)
G0196 - Peak Ring Bracket (3)
J1857 - Staple, for Boxing (26)
J1913 - Carton, Spreadway, 24 x 24 x 24 (1)
L0092 - G01051, Hinged H/Cap Spreadway
L/Motor - Decal, Hi-Cap
L1431 - Manual, Spreadway (1)

II. Super High Capacity Spreadway

Box 1

1 HP 1PH Motor with:
Pulley, 2.25 OD, .625
Belt, B57

Box 2

Hanger Bracket 15" (3)
Hanger Bracket regular (3)
Cone Sub Assembly Spreader
Spreader Fin Assembly, 12 (2)

Parts Sack:

J0527 Screw, 5/16-18, 1 PLT (10)
J1002 Nut, Hex 5/16-18, PLT (10)
J1200 Washer, Lock, 5/16, PLT (10)

III. High Capacity Spreadway

Box 1

¾ HP 1PH Motor with:
2-1/4" x 5/8" "B" pulley
J0236 – BP57 Belt

Box 2

A3399 - Safety Decal Placement Pkt w/Instructions
G0133 - Parts Sack
J0527 - Bolt, 5/16-18, PLT (18)
J1002 - Nut, Hex, 5/16 - 18, PLT (18)
J1200 - Washer, Lock, 5/16, PLT (18)
J1111 - Washer, Flat, 5/16, PLT (18)
J5410 - Clip, Hair Pin, .09 x 2 (3)
G0152 - Cone Sub Assy, Galvanized Hi-Cap
G01661- Fin, Spreading, Assy, Galvanized, 1 side
G0197 - Bracket, Hanger, Rigid (2006) (3)
G0196 - Peak Ring Bracket (3)
J1857 - Staple, for Boxing (26)
J1913 - Carton, Spreadway, 24 x 24 x 24 (1)
L0092 - G01051, Hinged H/Cap Spreadway
L/Motor - Decal, Hi-Cap
L1431 - Manual, Spreadway (1)

Remove all parts from shipping carton and check against shipping list above. Read all instructions carefully before beginning. The model of your Spreadway is printed on the Spreadway shipping carton. Standard Spreadways are simply marked "Spreadway," and High Capacity Spreadways are marked "High Capacity." Assemble your Spreadway according to the parts drawings and instructions on **Page 7**.

CONTACT INFORMATION

Owner's manuals are available from Sukup and additional copies can be requested at the address, phone number, or e-mail address shown below. Please indicate manual number L1431 when requesting the Spredway Owner's Installation and Operation Manual.

Sukup Dealer Information

Dealer Name:

Address:

Cell phone:

Office phone:

Fax:



In Case of Emergency



Have emergency numbers and written directions to your location near a phone, and arrange and practice a safety plan.

Doctor: _____

Emergency Medical Squad: _____

Ambulance Service: _____

Hospital: _____

Fire Department: _____

Written Directions to
Your Location: _____



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